1068

R/V DAN MOORE STATION LOG

VESSEL (1)	STATION (2-5)	CRUISE NO. (6-8)	MO. DAY YEAR (9-14)	GRID (15-17)	LATITUDE (18-21)	LONGITUDE (22-25)
M	2971	038	02 19 76	26 ~~AA~~	3646	75 47

DEPTH (26-29)	SUR. TEMP. (30-31)	BTM TEMP. (32-33)	AIR TEMP (34-35)	BAROMETER (36-38)	BT (39)	WIND DIR. (40-41)	WIND SPD. (42-43)
0008	10	08	21	001	Y	W	05

S.C. (44)	WEA. (45-46)	BTM TYPE (47-48)	BTM REG (49)	GEAR TYPE (50-51)	GEAR SIZE (52-54)	OP (55)	TM. START (56-57)	MIN. FISHED (58-60)
1	CL	SA	E	FT	151	—	14	030

RIG (61-62)	TOTAL FINFISH (63-67)	TOTAL CRUSTACEANS (68-71)	TOTAL SHELLFISH (72-75)	TOTAL OTHER (76-80)
01	00166	—	—	—

RIG (61-62)	TOTAL FINFISH (63-67)	TOTAL CRUSTACEANS (68-71)	TOTAL SHELLFISH (72-75)	TOTAL OTHER (76-80)
—	—	—	—	—

POSITION	LATITUDE	LONGITUDE	LORAN		DEPTH fms	C/C	TIME ON STATION	
			3H4	3H5			PO	DO
START	36° 46′	75° 47′	1968	3065	8		1337	1338
							PU	ON
FINISH	36° 48′	75° 47′	1985	3068	9		1408	1411

LENGTH WARP	SHAFT RPM	PITCH	GEAR DATA:
50	1200/5 ~	50	

SPECIAL MODIFICATIONS

OPERATIONAL COMMENTS

OBSERVATIONS

587 blue back herring

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R/V DAN MOORE SPECIES LIST

STA. NO. ~~26AA~~ 2971 DATE Feb 19 19 76 BIOLOGISTS BTH JV SGK

TOT. CATCH WT. 166.1 AIR 21 SURFACE 9.5 BOTTOM 7.9

SAMPLE WT. 166.1 RAISING FACTOR 0

SPECIES	C or NC	SUBSAMPLE NUMBER	SUBSAMPLE WEIGHT	TOTAL NO.	TOTAL WT.	X WT	REMARKS
Alosa aestivalis				587	59	0.1	
Scomber scombrus				95	107	1.1	
Peprilus triacanthus				1	0.1	0.1	

55
52

59
36
95

LENGTH - FREQUENCY DISTRIBUTION

SPECIES: S. dicombrus

STATION: 2971

DATE: 2/19/76

LOCALITY: 26AA

T.L.	♂	♀	Unk
50-59.9			
60-			
70-			
80-			
90-			
100-			
110-			
120-			
130-			
140-			
150-			
160-			
170-			
180-			
190-			
200-			
210-			
220-			
230-			
240-			
250-			
260-			
270-			
280-			
290-			
300-			
310-	2		
320-			1
330-	2	2	4
340-	5	1	5
350-	4	5	11
360-	11	5	11
370	8	7	2
380-	2	4	1
390-			1
400-			
410-			
420-			
430-			
440-			
450-			
460-			
470-			
480-			
490-			
500-			
510-			
520			
530-			
540-			

T.L.	♂	♀	Unk
550-			
560-			
570-			
580-			
590-			
600-			
610-			
620-			
630-			
640-			
650-			
660-			
670-			
680-			
690-			
700-			
TOTAL	34	24	36

LENGTH - FREQUENCY DISTRIBUTION

SPECIES: A. restivalis

DATE: 2/19/76

R.F. = 3.9

STATION: 2971

LOCALITY: 26AA

T.L.	♂		♀		Unk
50-59.9					
60-					
70-					
80-					
90-					
100-		4			
110-					
120-					
130-	1	4			
140-	7	27	11	43	
150-	35	136	31	121	
160-	9	35	18	70	
170-	9	35	11	43	
180-	2	8	7	27	
190-	1	4	2	8	
200-			1	4	
210-					
220-	1	4			
230-	1	4			
240-					
250-	1	4	1	4	
260-					
270-					
280-					
290-					
300-					
310-					
320-					
330-					
340-					
350-					
360-					
370					
380-					
390-					
400-					
410-					
420-					
430-					
440-					
450-					
460-					
470-					
480-					
490-					
500-					
510-					
520					
530-					
540-					

T.L.	♂	♀	Unk
550-			
560-			
570-			
580-			
590-			
600-			
610-			
620-			
630-			
640-			
650-			
660-			
670-			
680-			
690-			
700-			
TOTAL	68	82	
R.F. TOTAL	265	320	

N= 585

Range ♂ 138 - 257

♀ 145 - 255

Species: Scomber scombrus

Specimen Number	T.L.	Sex	Otoliths	Gonads	Fecundity	Stomachs	Age	Gonad Stage	Station Number	Remarks
1	361	♂							2971	264A
2	378	♀						II		
3	370	♂								95 total
4	373	♀						II		
5	359	♀						III		
6	362	♂								
7	337	♀						V		
8	310	♂								
9	371	♂								
10	351	♂								
11	350	♂								
12	360	♂								
13	377	♀						V		
14	361	♂								
15	331	♀						V		
16	337	♂								
17	377	♀						V		
18	365	♂								
19	373	♂								
20	363	♂								
21	350	♂								
22	316	♂								
23	351	♀						III		
24	368	♂								
25	376	♂								
26	312	♂								
27	353	♂								
28	383	♀						V		
29	352	♀						V		
30	345	♂								
31	361	♀						V		
32	352	♀						V		
33	347	♀						V		
34	360	♂								
35	378	♂								
36	344	♂								Spent ♂
37	380	♀						V		
38	373	♀						V		
39	365	♀						V		
40	343	♂								Spent ♂
41	319	♀						V		
42	340	♂						Spent		
43	370	♂								
44	361	♂								
45	363	♀						II		
46	365	♀						II		
47	381	♀						V		
48	369	♂								
49	375	♀						V		

Species: Scomber scombrus

Specimen Number	T.L.	Sex	Otoliths	Gonads	Fecundity	Oxid-calc.	Age	Gonad Stage	Station Number	Remarks
51	371	♂							2571	
52	374	♂								
53	367	♂								
54	370	♂								
55	370	♀						V		
56	369	♀						I		
57	350	♀						V		
58	354	♂								
59	378	♂						Spent		
60	366									
61	390									
62	369									
63	360									
64	365									
65	351									
66	365									
67	354									
68	363									
69	358									
70	363									
71	356									
72	377									
73	381									
74	364									
75	341									
76	372									
77	350									
78	358									
79	369									
80	351									
81	340									
82	330									
83	357									
84	345									
85	373									
86	375									
87	343									
88	350									
89	366									
90	323									
91	339									
92	345									
93	368									
94	360									
95	358									

Species: A. aestivalis

Specimen Number	T.L.	Sex	Otoliths	Gonads	Fecundity	Back-calc.	Age	Gonad Stage	Station Number	Remarks
1296	236	♀						I		
97	204	♂						IM		
98	195	♀						IM		
99	234	♂								
1300	218	♀						IM		
1	190	♀						IM		
2	175	♂						IM		
3	170	♀						IM		
4	198	♀						IM		
5	193	♂						IM		
6	181	♂						IM		
7	170	♀						IM		
8	150	♂						IM	2971	measured and
9	155	♂						IM		out 151 leaving
10	151	♀						IM		from a total of 587.
11	136	♀						IM		
12	153	♂						IM		RAISING factor for
13	160	♀						IM		length free [illegible]
14	162	♀						IM		aerated 3.9
15	145	♂						IM		
16	156	♀						IM		
17	155	♀						II		
18	158	♀						II		
19	152	♀						II		
20	156	♀						II		
21	170	♀						II		
22	155	♀						II		
23	150	♀						II		
24	153	♂						II		
25	143	♀						II		
26	226	♀						II		
27	257	♂						II		
28	133	♀						II		
29	161	♂						II		
30	160	♀						II		
31	175	♂						II		
32	136	♀						II		
33	145	♀						I		
34	152	♀						I		
35	148	♂						I		
36	157	♂						I		
37	167	♂						I		
38	193	♀						I		
39	147	♀						I		
40	154	♀						I		
41	156	♀						I		
42	185	♂						I		
43	159	♂						I		
44	158	♂						I		
45	181	♀						I		

Species: A. aestivalis

Specimen Number	T.L.	Sex	Otoliths	Gonads	Fecundity	Otolith-date	Age	Gonad Stage	Station Number	Remarks
1346	149	♀						Im		
47	157	♀						"		
48	173	♂						"		
49	174	♂						"		
50	150	♂						"		
51	151	♂						"		
52	152	♂						"		
53	178	♀						"		
54	153	♀						"		
55	150	♂						"		
56	158	♂						"		
57	178	♀						"		
58	159	♀						"		
59	165	♀						"		
60	166	♀						"		
61	156	♀						"		
62	161	♀						"		
63	141	♂						"		
64	185	♂						"		
65	181	♀						"		
66	176	♂						"		
67	159	♀						"		
68	161	♀						"		
69	175	♀						"		
70	153	♂						"		
71	155	♀						"		
72	156	♂						"		
73	156	♀						"		
74	152	♀						"		
75	159	♂						"		
76	151	♀						"		
77	170	♂						"		
78	157	♂						"		
79	148	♀						"		
80	174	♀						"		
81	159	♂						"		
82	156	♀						"		
83	178	♂						"		
84	160	♀						"		
85	152	♂						"		
86	171	♀						"		
87	160	♀						"		
88	153	♂						"		
89	197	♀						"		
90	160	♀						"		
91	161	♀						"		
92	183	♀						"		
93	151	♀						"		
94	172	♀						"		
95	150	♀						"		

Species. *A. aristata* 6

Specimen Number	T.L.	Sex	Otoliths	Gonads	Fecundity	Back-calc.	Age	Gonad Stage	Station Number	Remarks
1396	151	♂						IM	252	
97	145	♂						"		
98	156	♀						"		
99	172	♀						"		
1400	179	♂						"		
1	152	♀						"		
2	146	♀						"		
3	174	♀						"		
4	148	♀						"		
5	162	♀						"		
6	255	♀						III		
7	189	♀						IM		
8	152	♀						IM		
9	153	♂						IM		
10	162	♀						"		
11	168	♂						"		
12	151	♂						"		
13	154	♀						"		
14	155	♀						"		
15	161	♀						"		
16	167	♀						"		
17	165	♂						"		
18	175	♀						"		
19	154	♀						"		
20	150	♀						"		
21	166	♀						"		
22	146	♂						"		
23	148	♀						"		
24	146	♀						"		
25	157	♀						"		
26	175	♂						"		
27	160	♀						"		
28	156	♂						"		
29	157	♂						"		
30	158	♀						"		
31	164	♀						"		
32	151	♀						"		
33	144	♂						"		
34	143	♀						"		
35	154	♀						"		
36	159	♀						"		
37	160	♂						"		
38	183	♀						"		
39	165	♀						"		
40	170	♀						"		
41	206	♀						"		
42	151	♂						"		
43	163	♂						"		
44	176	♀								
45	164	♀								

Species: *A. aestivalis*

Specimen Number	T.L.	Sex	Otoliths	Gonads	Fecundity	Back-calc.	Age	Gonad Stage	Station Number	Remarks
1446	154	♂						1a	2971	
47	155	♂						"		
48	153	♂						"		
49	233	♂								
50	157	♀						1a		
51	164	♀						"		
52	156	♂						"		
53	154	♀						1a		
54	155	♂						"		
55	157	♂						"		
56	155	♂						"		
57	154	♀						"		
58	197	♂						1m	2972	~~Length-freq. distribution from sample of specimens caught in small~~ ~~sample is~~ ~~NOT random.~~
59	203	♀						1m		
60	214	♀						1m		
61	210	♀						"		
62	176	♂						"		
63	147	♀						"		
64	169	♂						"		
65	146	♀						"		
66	147	♀						"		
67	167	♂						"		
68	207	♂						"		* this length-freq. distribution is a representative sample of actual #'s caught because herring were so small they went through the mesh of the net.
69	238	♂								
70	188	♂						rM		
71	179	♂						"		
72	150	♂						"		
73	144	♀						"		
74	147	♀						"		
75	168	♀								
76	163	♀						1m		
77	123	♂						1m		
78	169	♀						"		
79	171	♀						"		
80	142	♂						"		
81	141	♀						"		
82	165	♂						"		
83	147	♀						"		
84	145	♂						"		
85	151	♂						"		
86	206	♀						"		
87	187	♂						"		
88	176	♀						"		
89	206	♂						"		
90	187	♂						"		
91	163	♂						"		(1)
92	186	♂						"		
93	190	♂						"		
94	182	♀						"		
95	121	♀						"		

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